

DIODE LASER SERIES

High Power Diode Lasers

Model		Quanta A D-Plus 808	Quanta B D-Plus 940	Quanta C D-Plus 980	Quanta D
Laser	nm	808	940	980	532
Power (nominal)	W	30	30	30	5
Operation mode		Cw, pulsed, single pulse			
Pulse duration	ms	3 - 2500			
Repetition rate	Hz	1 - 200			
Aiming beam		red, adjustable			
Laser delivery		Optical fiber			
Spot size	mm	1.2 - 1.8 - 2.4	1.2 - 1.8 - 2.4	1.2 - 1.8 - 2.4	0.6 - 0.8 - 1.2
Bare fiber size	µm	200, 300, 320, 400, 600, 800, 1000			200, 300, 320, 400, 600
Electrical requirements		100-240, V AC 50-60 Hz, 6.3 A, single phase, 300 W			
Dimensions and weight		39 (L) x 33 (W) x 25 (H) cm³; 8 Kg			

Combined models: **QUANTA A*** (Quanta A+Quanta D); **QUANTA B*** (Quanta B+Quanta D); **QUANTA C*** (Quanta C+Quanta D)

DIODE LASER SERIES

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SURGERY
DENTAL
VASCULAR
ENDOVASCULAR
DERMATOLOGY



Specifications are subject to change without notice.

Quanta System's products are manufactured according to the International standards and have been cleared by the most important International notified bodies. The Company is UNI EN ISO 9001:2000 and UNI EN ISO 13485:2004 certified.
Quanta System S.p.A. was funded in 1985 and belongs to the El.En Group (a public company listed on the Star segment of the Italian Stock Exchange) since January 2004. The company, divided into three business units (scientific, industrial and medical) is specialized in laser and opto-electronic devices.



SURGERY

PNEUMOLOGY
LAPAROSCOPY
ENT
PROCTOLOGY

GYNAECOLOGY
DENTAL
ENDOVENOUS LASER TREATMENTS
PLDD

DERMATOLOGY

VASCULAR LESIONS
PIGMENTED LESIONS

VAPORIZATION OF BENIGN
NEOFORMATIONS



Laser Systems are configured with several wavelengths: 532, 808, 940 or 980 nm. Every wavelength is ideal for a specific application field. The list of Diode Series accessories includes fiber optics (core size from 200 µm up to 1000 µm) which are compatible with the majority of endoscopic instruments.

- Advantages of the 808 nm**
- High Hb absorption
 - Good hemostasis, ideal for dental applications
 - No water absorption provides safer treatments on harder tissues
 - Very effective on leg telangiectasia (0.3-1.5 mm diameter)

- Advantages of the 940 nm**
- Best combined absorption of Hb and HbO₂
 - Water absorption at the same level of 1064 nm
 - Ideal for endovascular applications
 - Effective on leg and facial Telangiectasia (0.3 - 1.5 mm Ø)

- Advantages of the 980 nm**
- Good haemostasis
 - Precise surgery
 - Fast healing
 - Tissue's thermal diffusion lower than using a 1064 nm laser (ex.YAG)

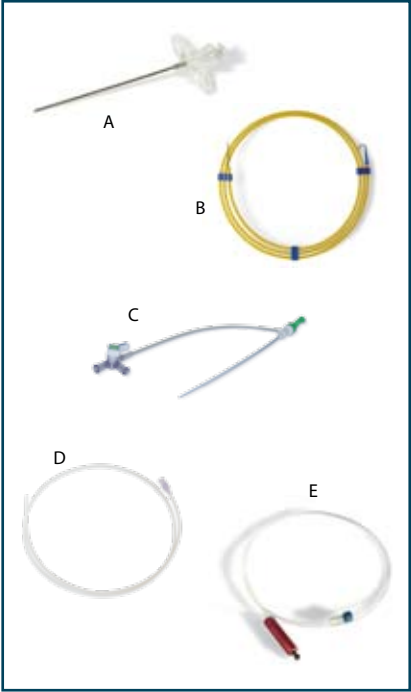
The 532 nm wavelength is highly absorbed by the HbO₂ (oxyhaemoglobin) and has become standard for dermatological treatments such as facial telangiectasia, angioma, PWS, rosacea, leg matting, epidermal pigmented lesions, vaporization of warts and other benign neoformations of soft tissue. The scanner (optional) allows faster and easier treatments over larger areas.

- Advantages of the 532 nm**
- High HbO₂ absorption
 - Superior results treating facial telangiectasia, PWS and rosacea
 - Maximum flexibility of use in dermatology
 - Good haemostasis

Accessories



Accessories for endovascular treatments



- Endovascular Kit**
- A 18G needle
 - B 0.035 J guidewire
 - C dilator
 - D 5fr catheter with ultrasound marker
 - E 600 µm bare fiber with holder

